

# Basic principles

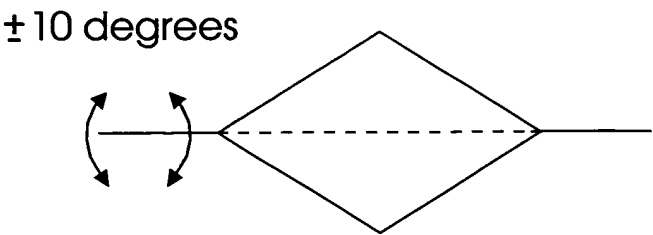


Fig. 1

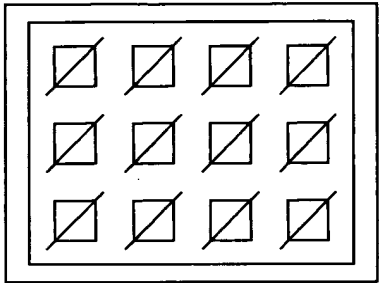


Fig. 2

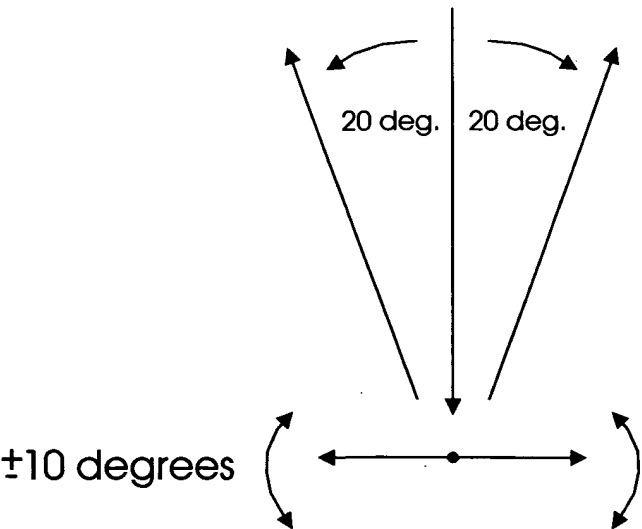


Fig. 3

# Basic principles

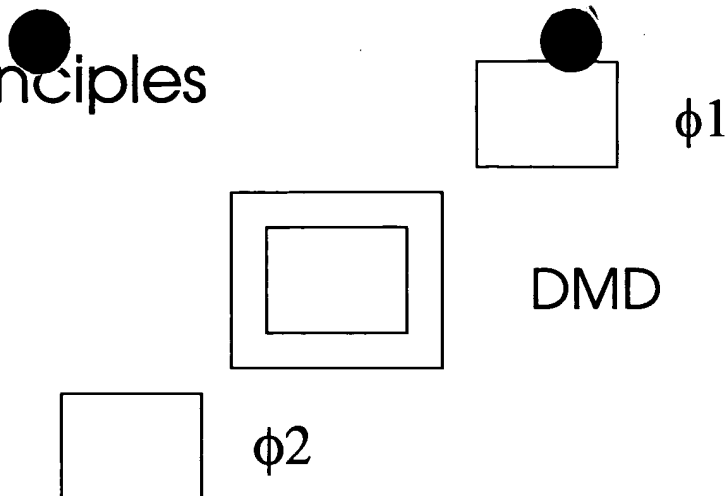


Fig. 4

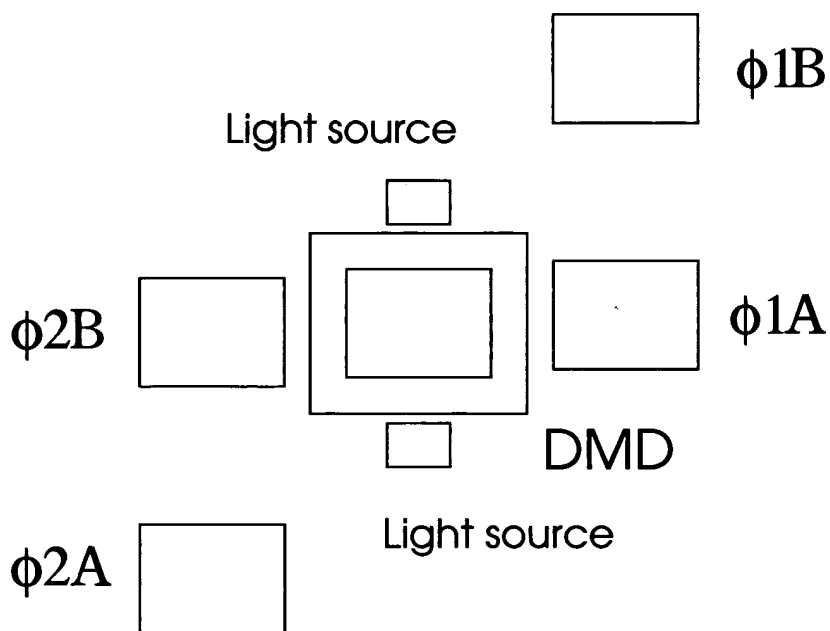


Fig. 5

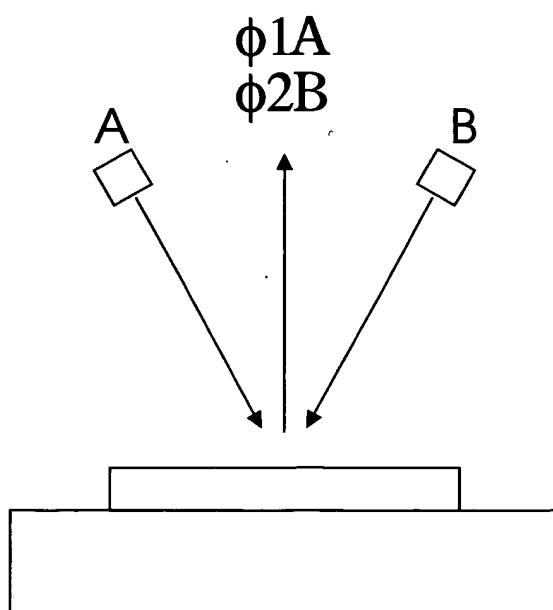


Fig. 6

0992169-062504

# Mirror HMD - Single Stage

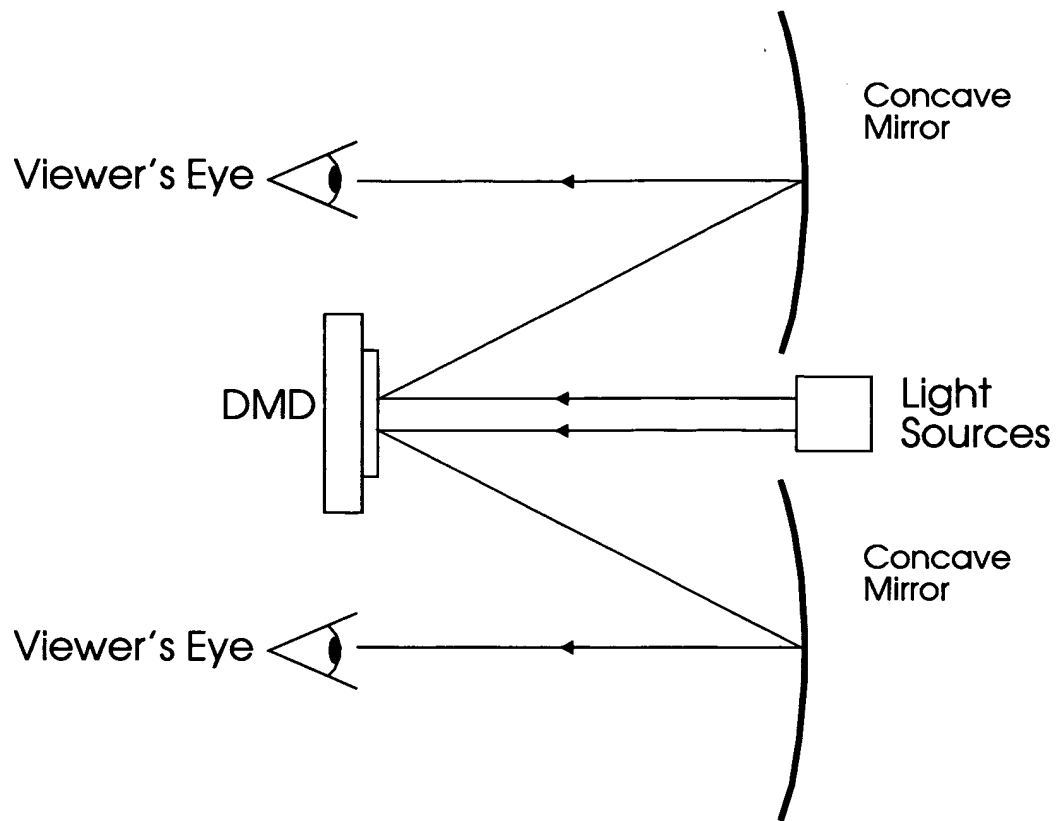


Fig. 7

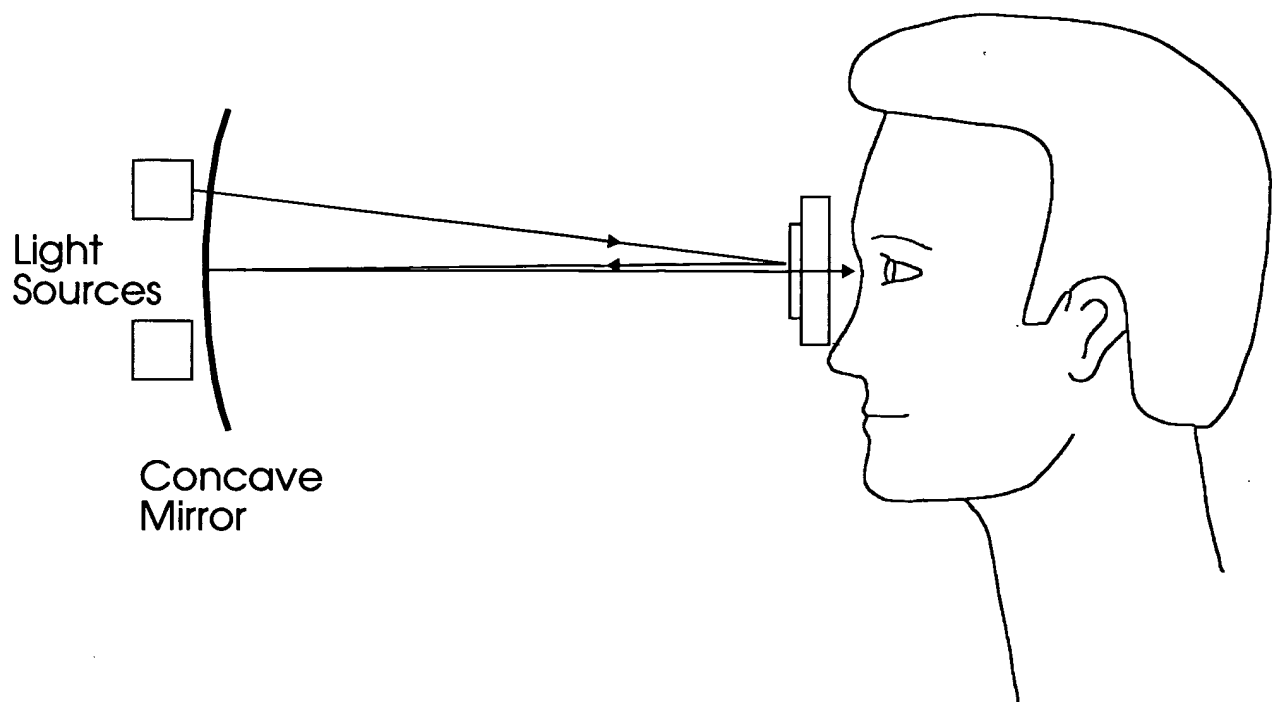


Fig. 8

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# Mirror HMD - Two Stage

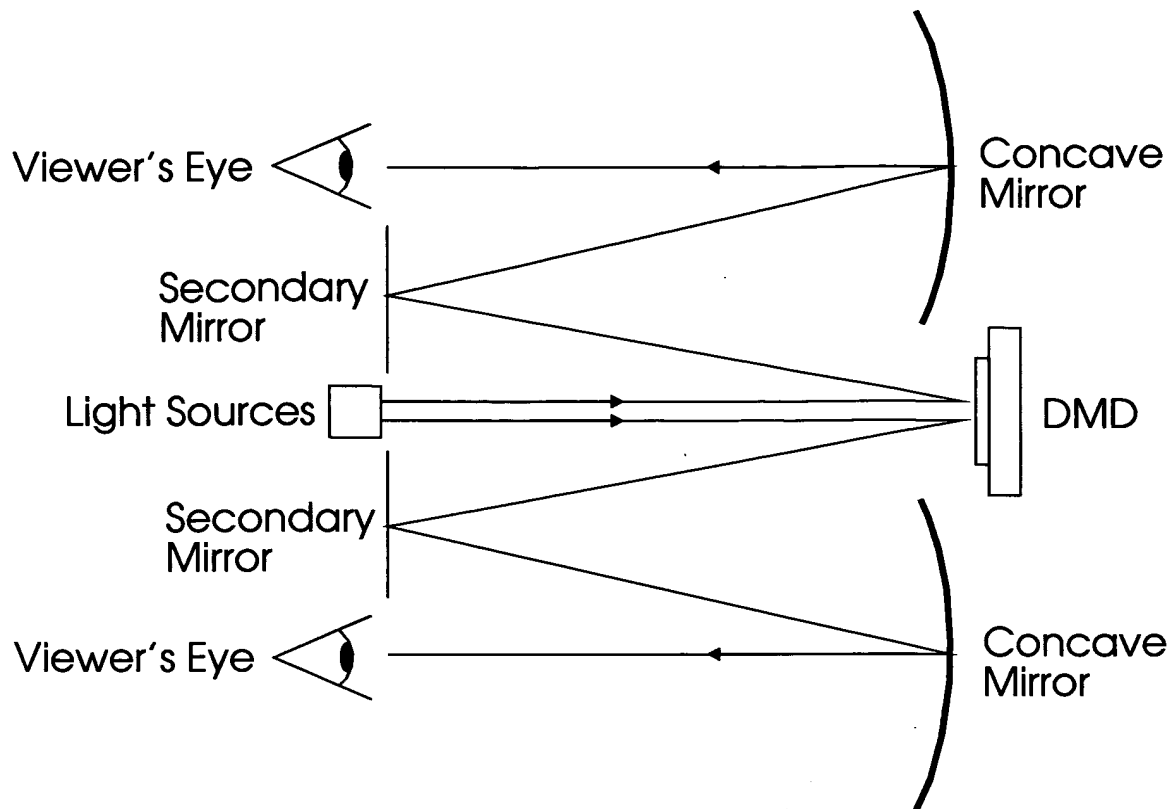


Fig. 9

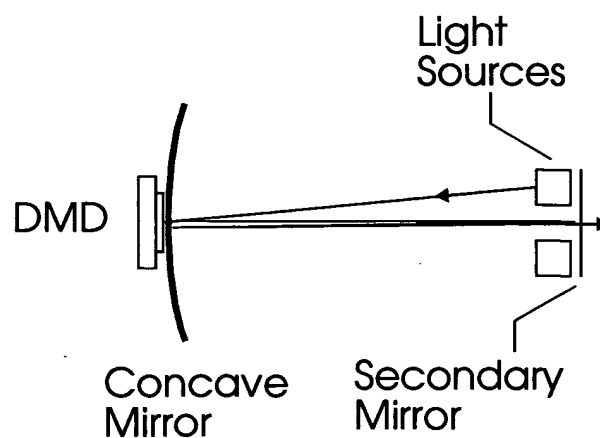


Fig. 10

103990-69T2860

# Enhancements

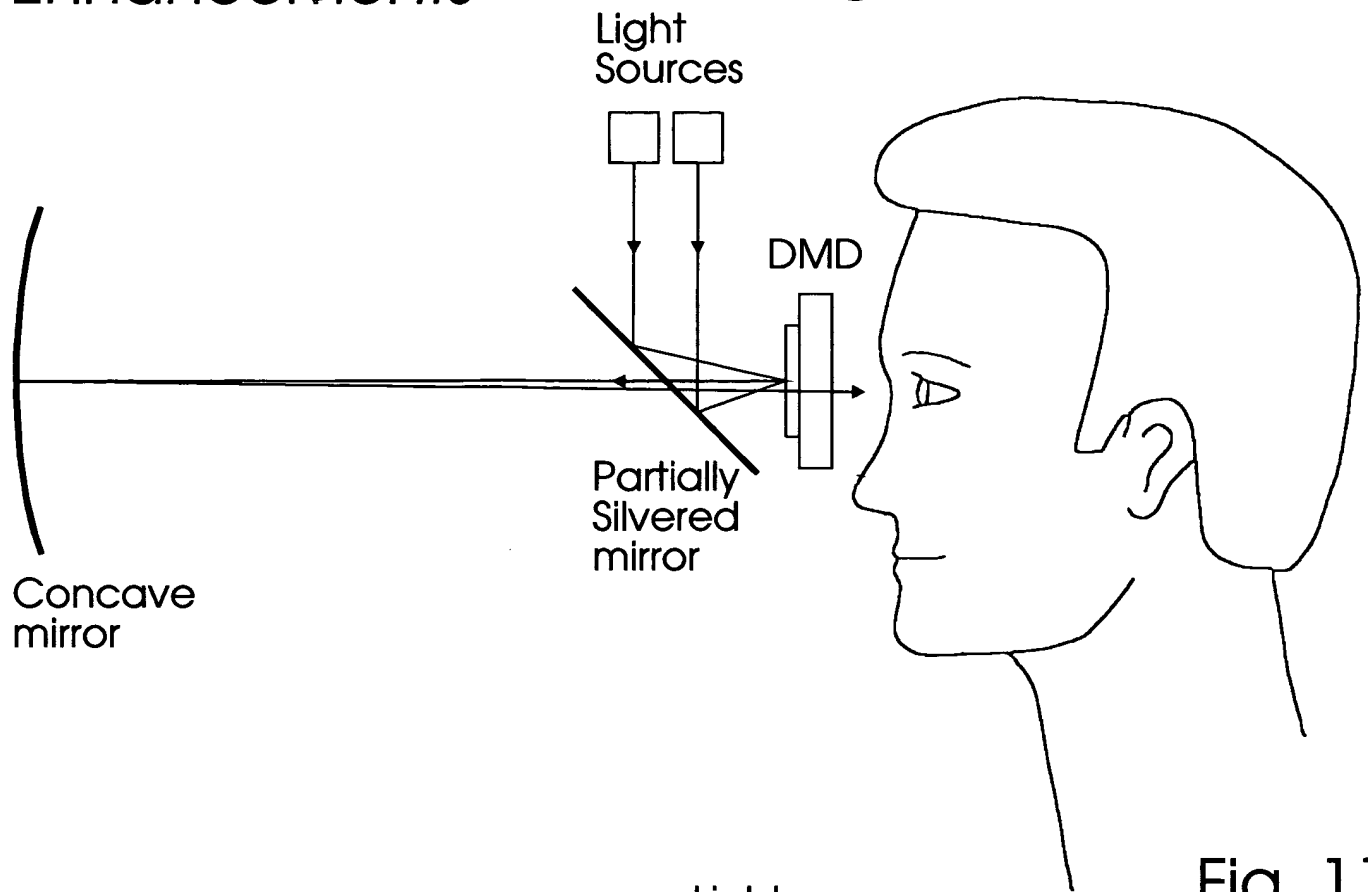


Fig. 11

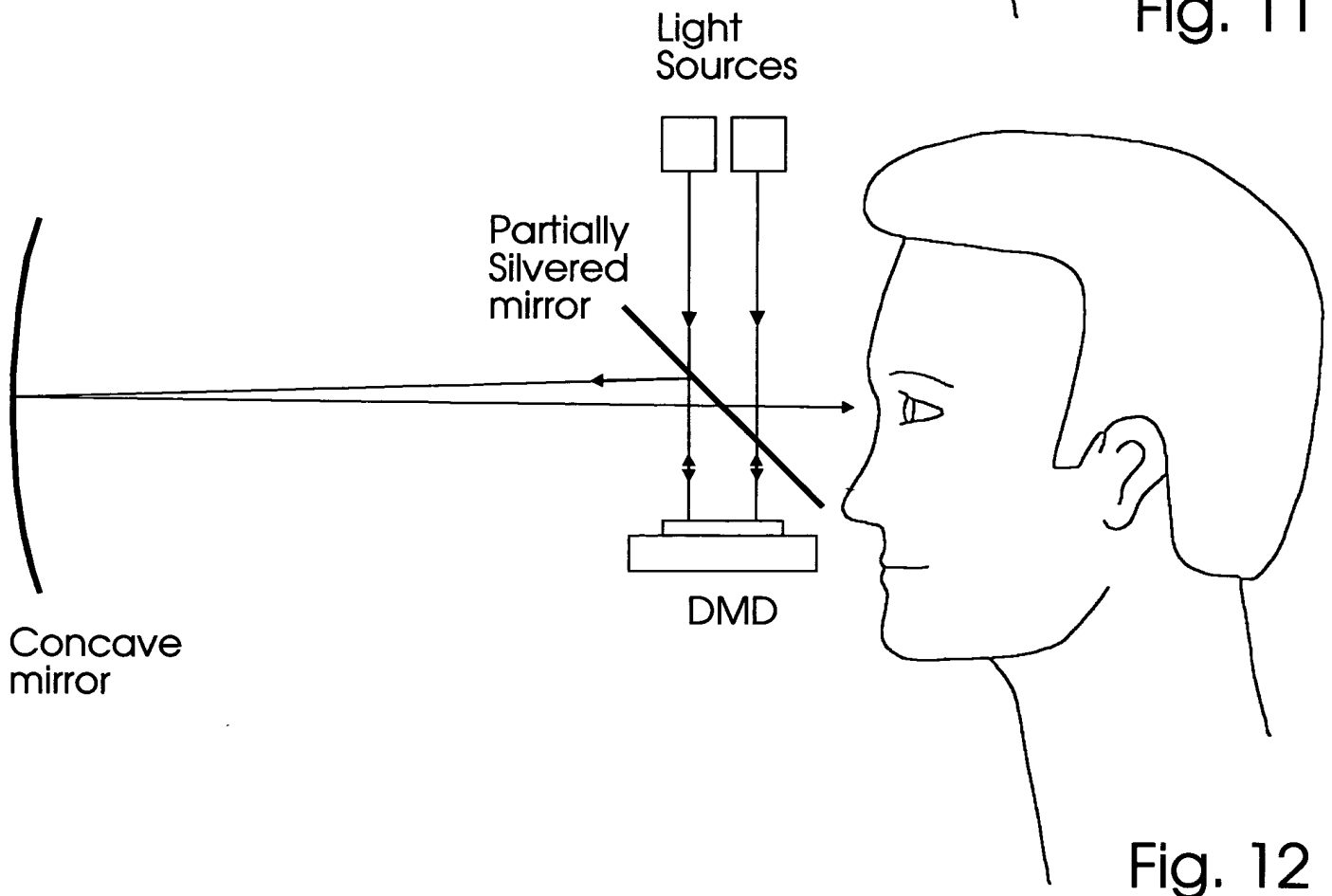


Fig. 12

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# Enhancements

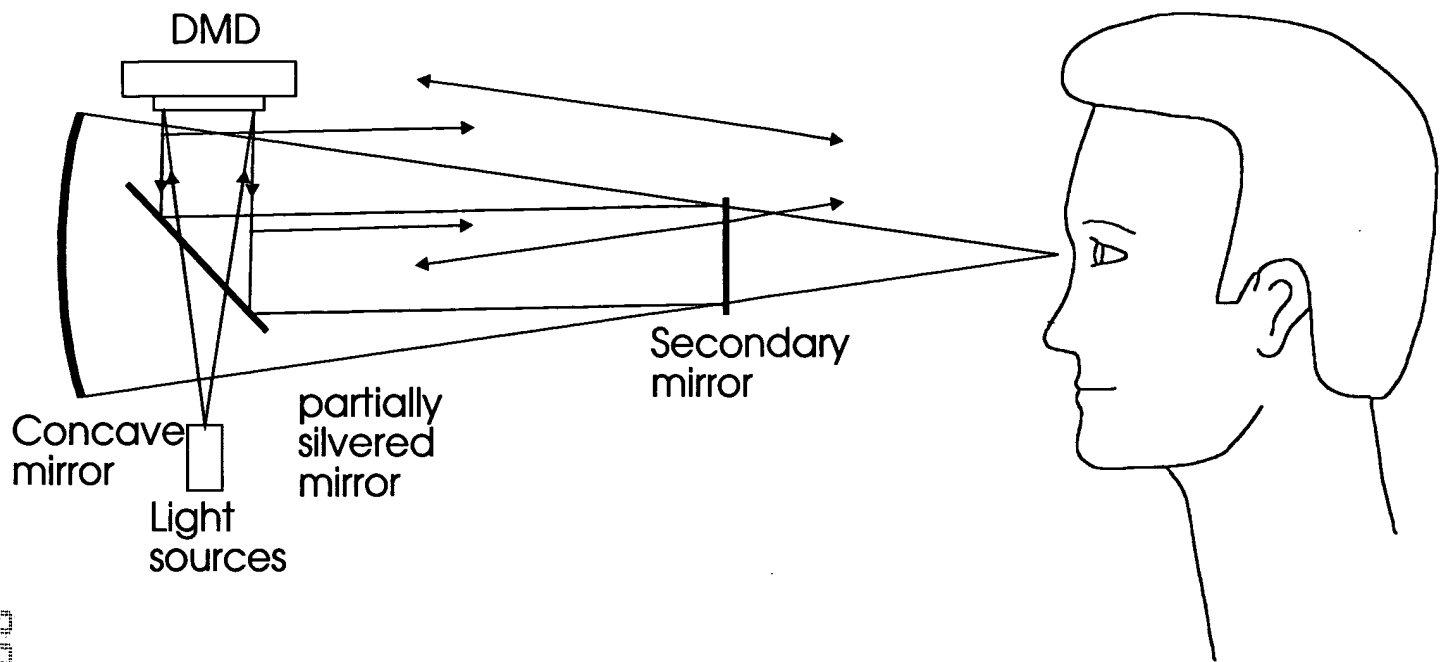


Fig. 13

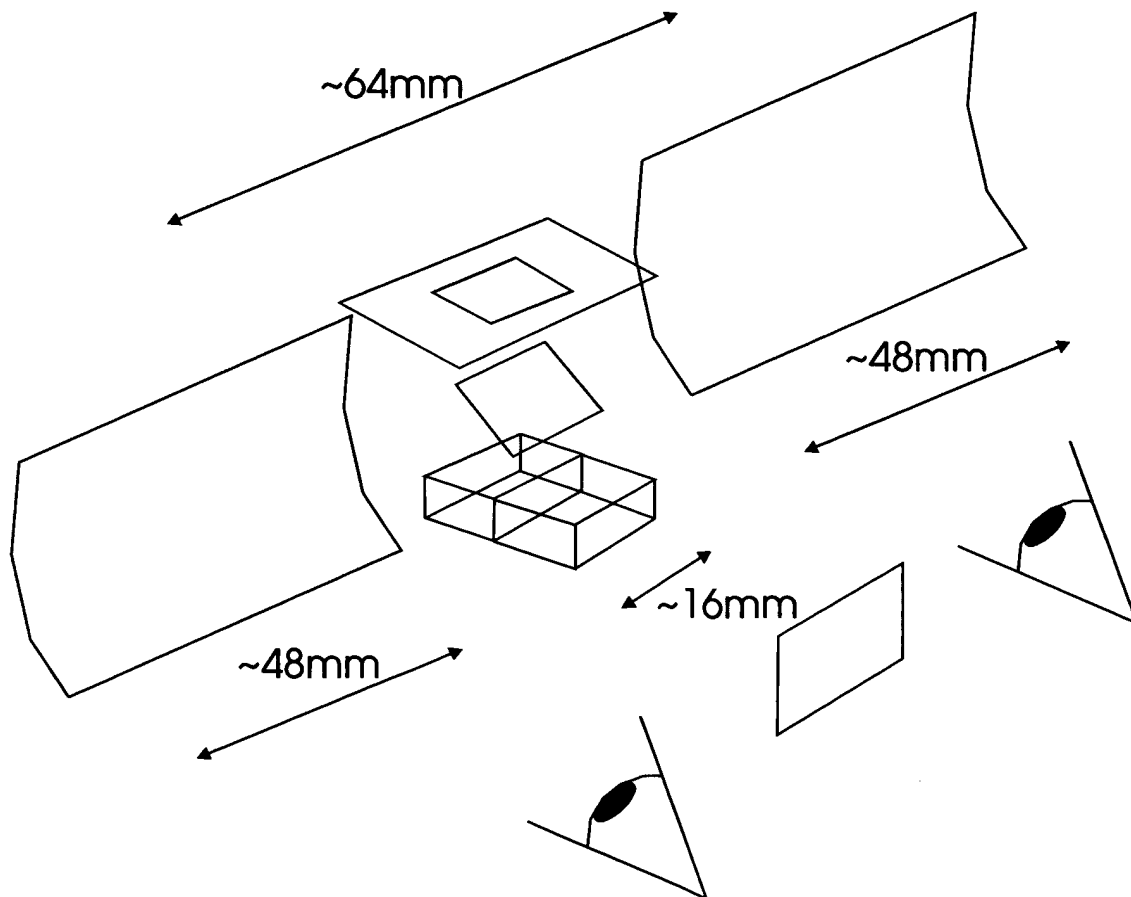
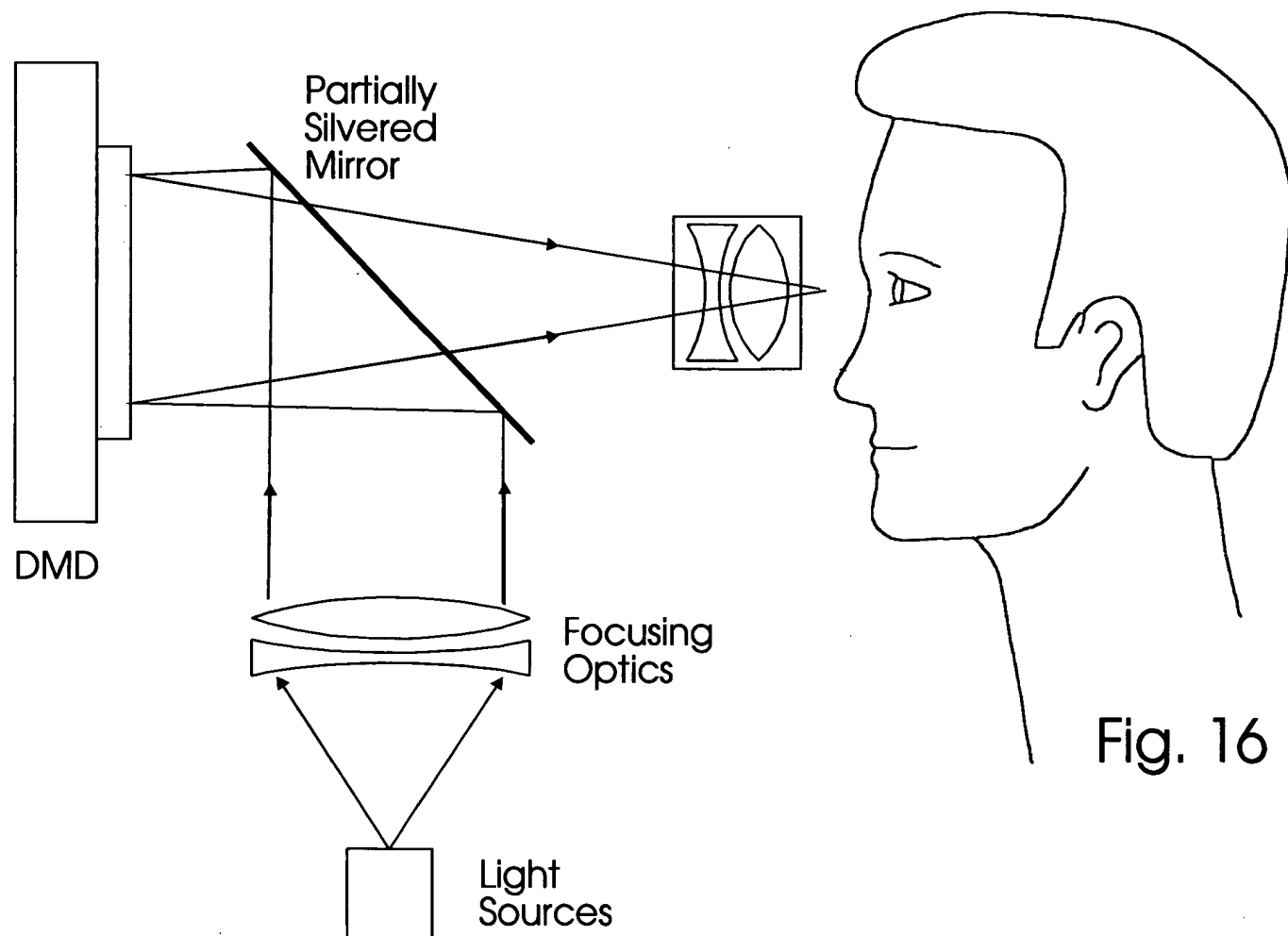
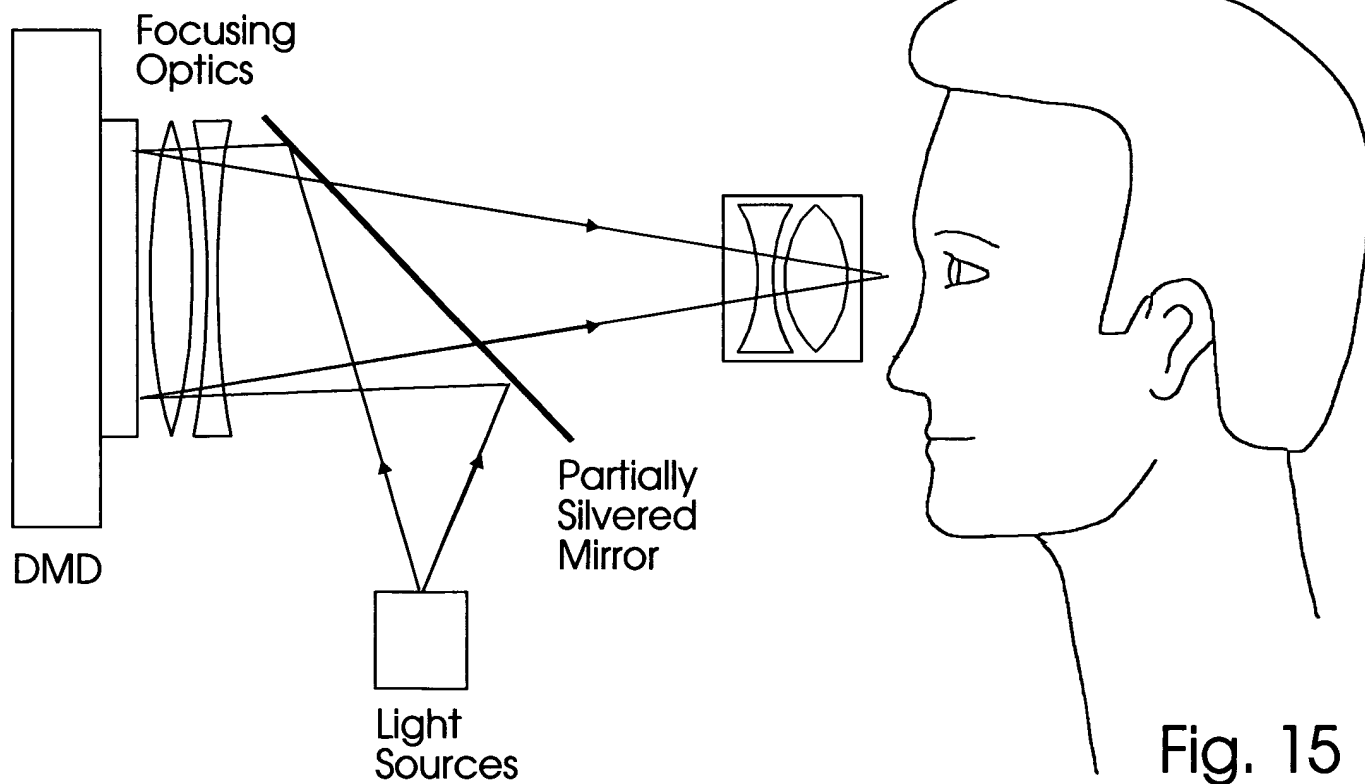


Fig. 14

# Dual DMDens system



## 2 stage dual mirror hybrid HMD

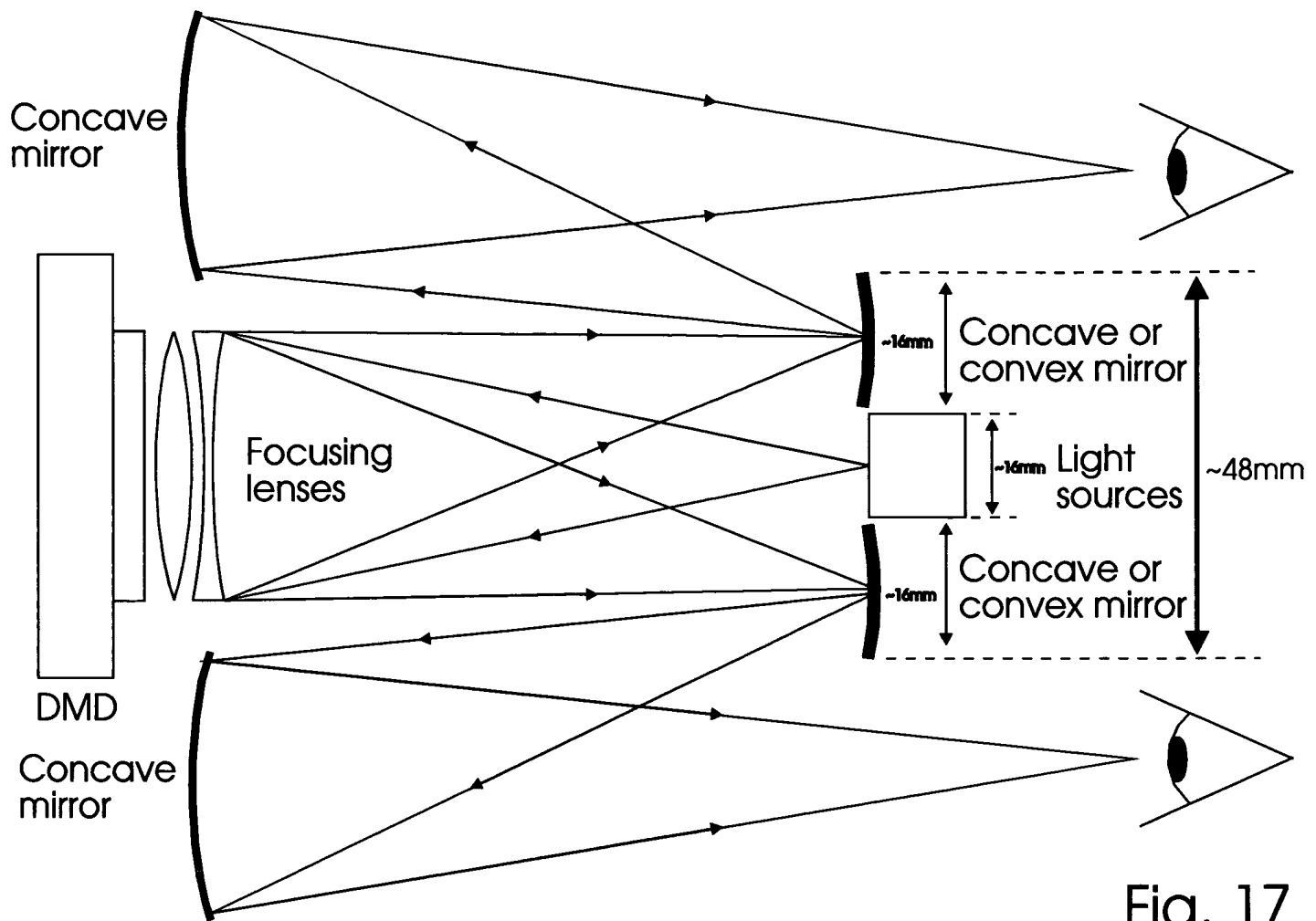


Fig. 17

## Single DMD lens HMD

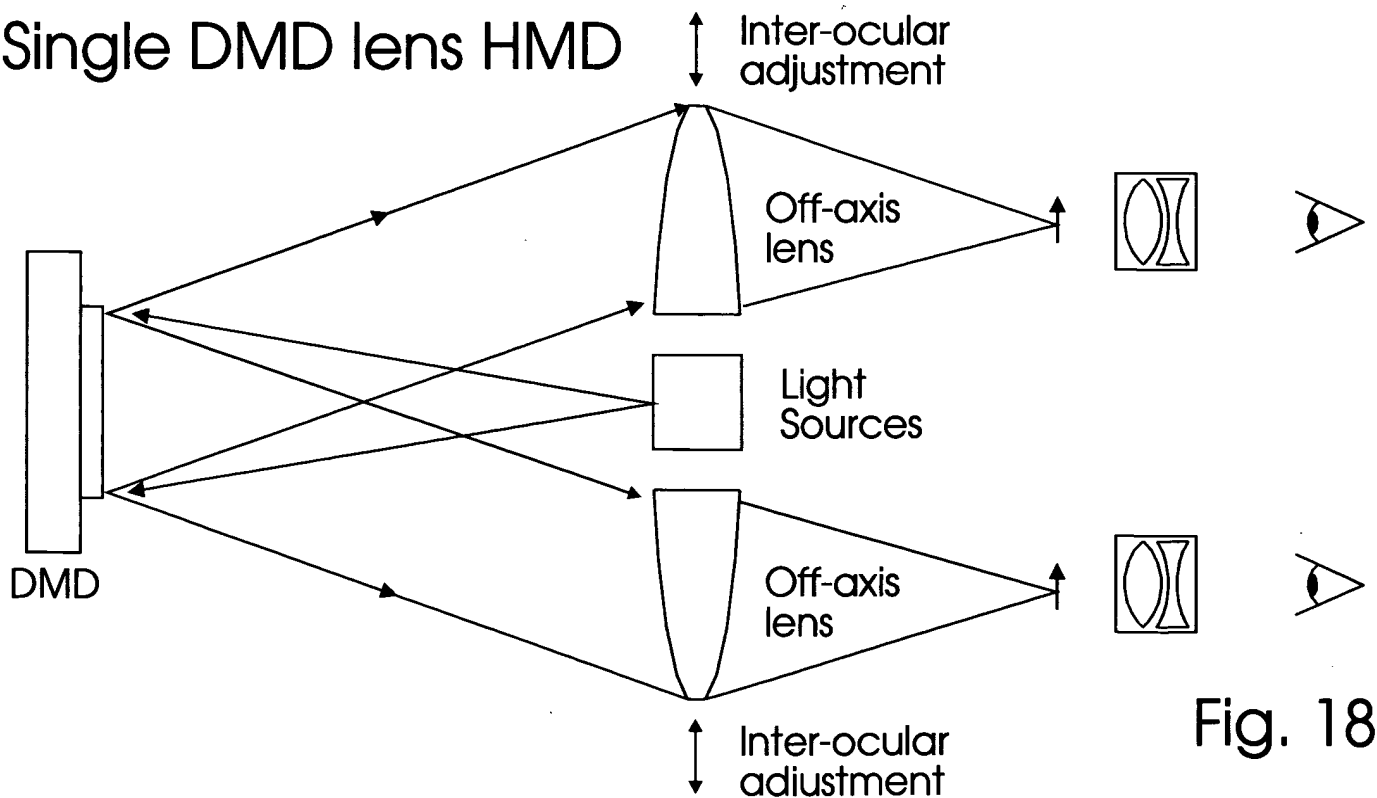


Fig. 18



# Prismatic lens design

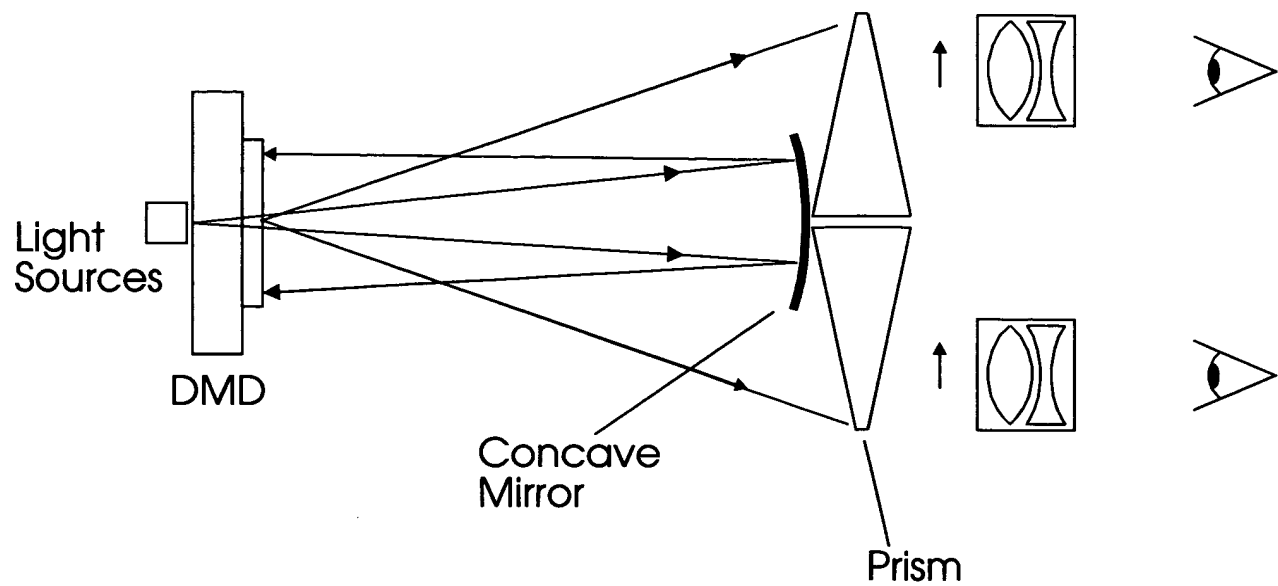


Fig. 19

# Binocular lens design

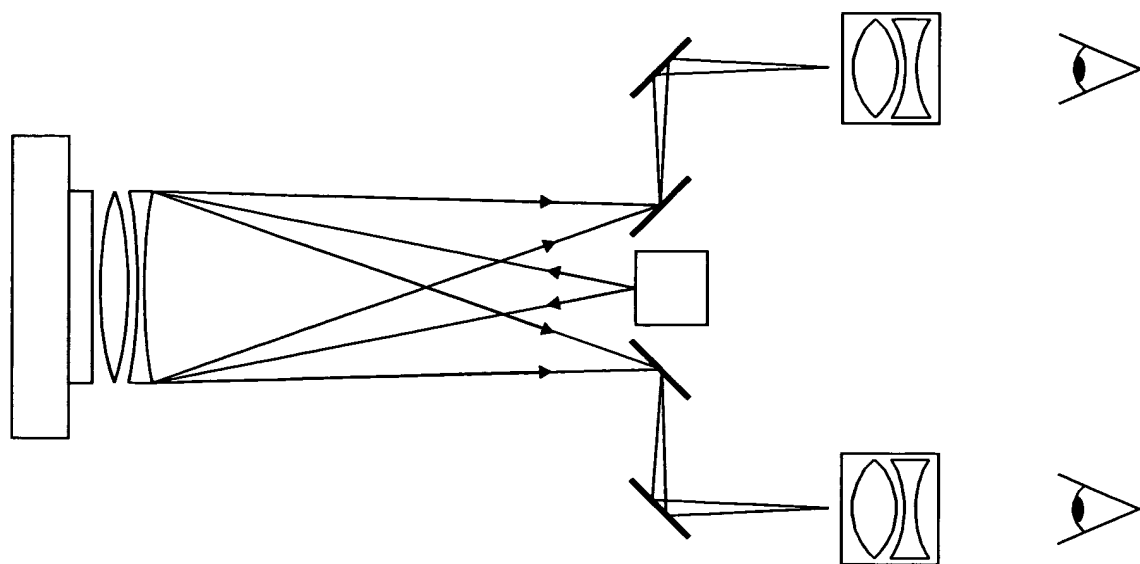


Fig. 20

# Single stage hybrid lens system

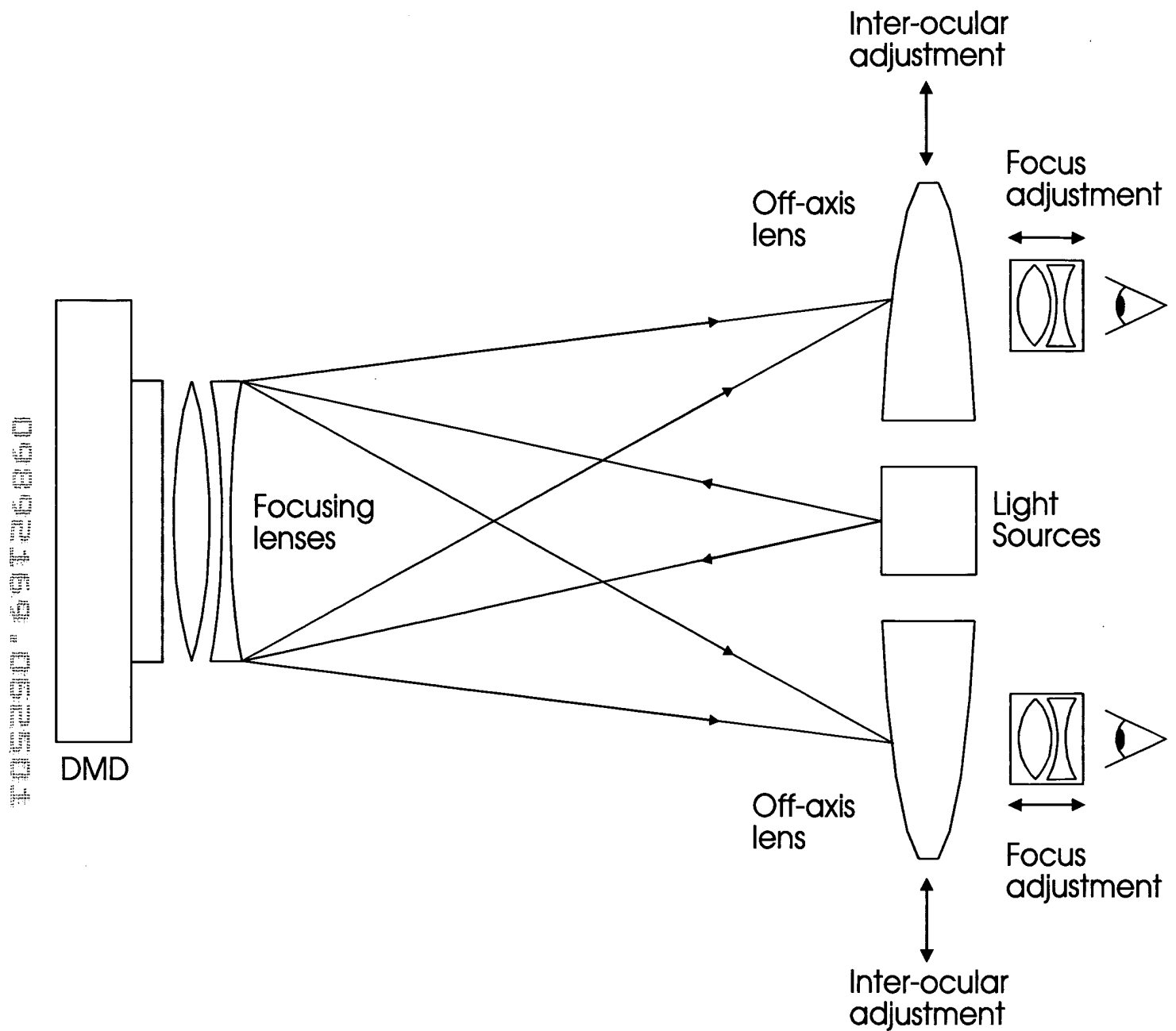


Fig. 21

# 2 stage hybrid lens system (preferred embodiment)

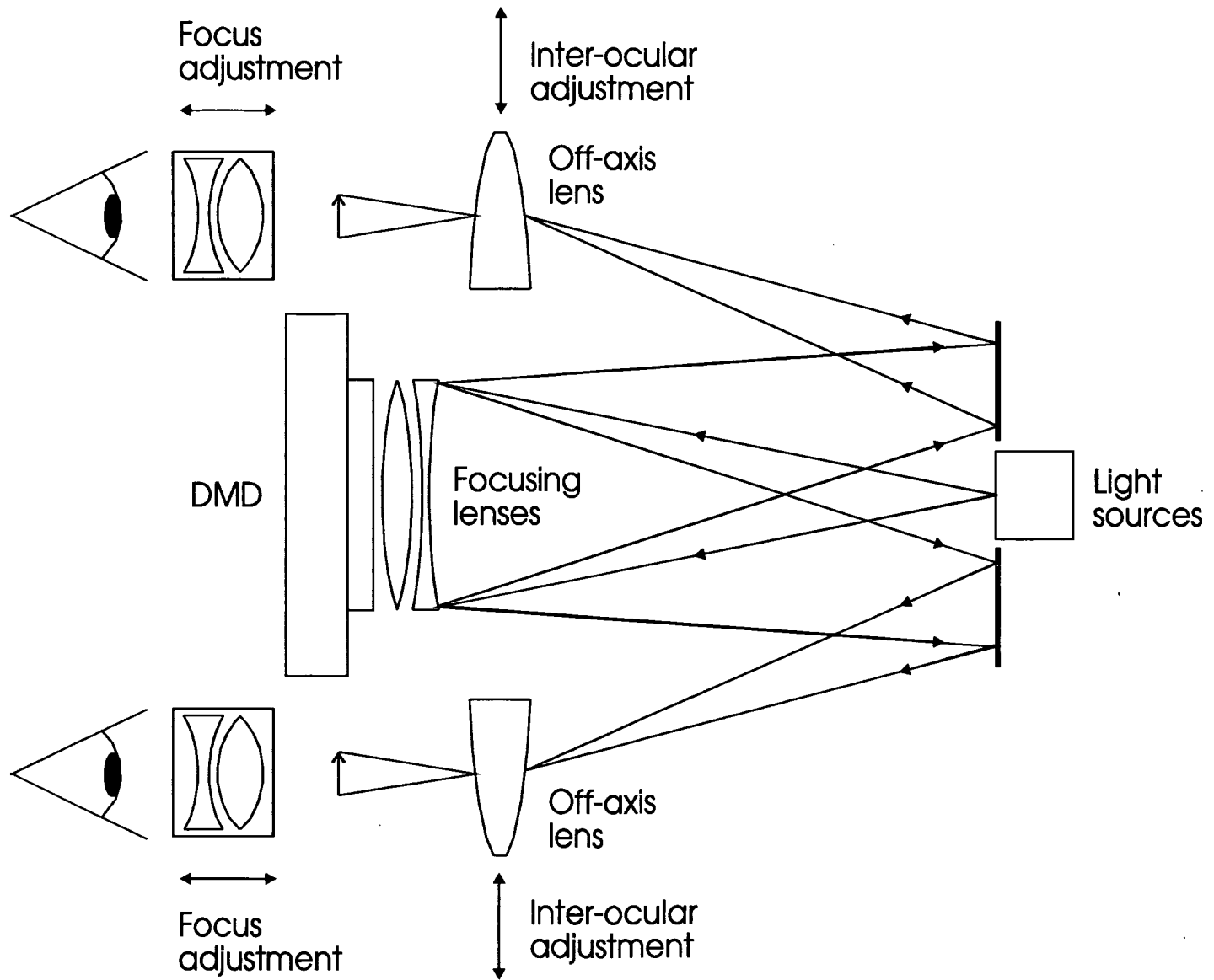


Fig. 22

# Lens HMD Enhancements

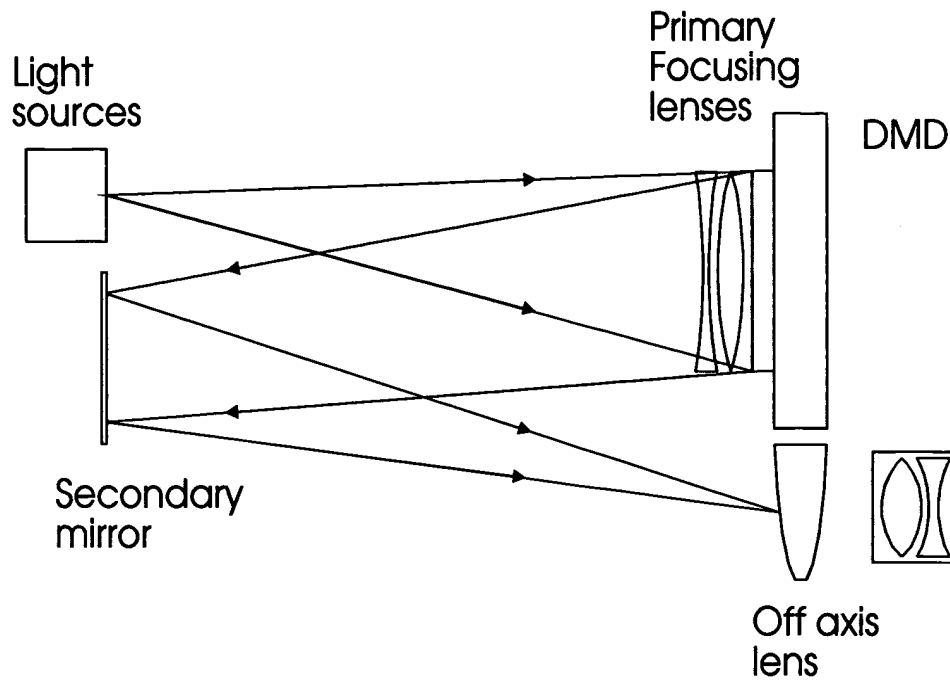


Fig. 23

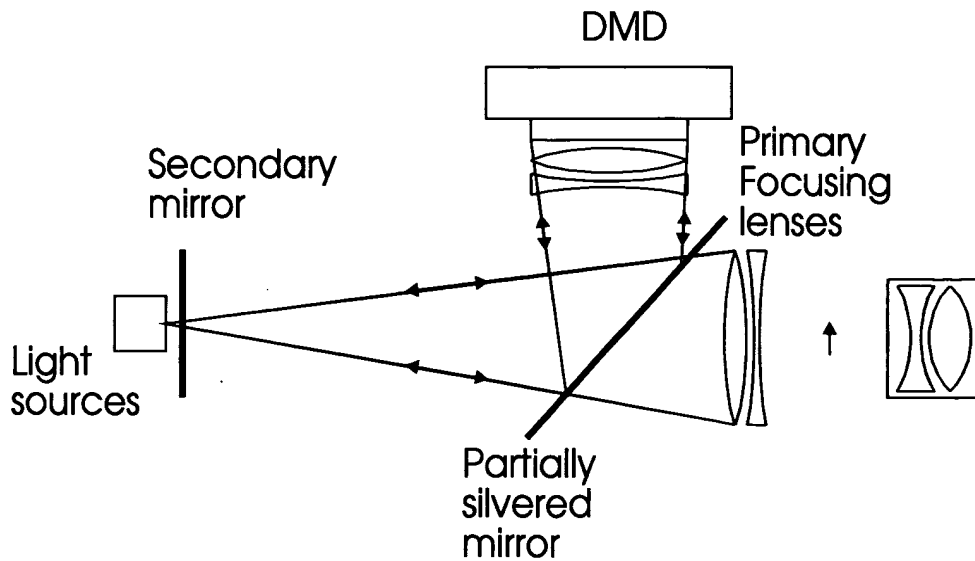


Fig. 24

# Light sources

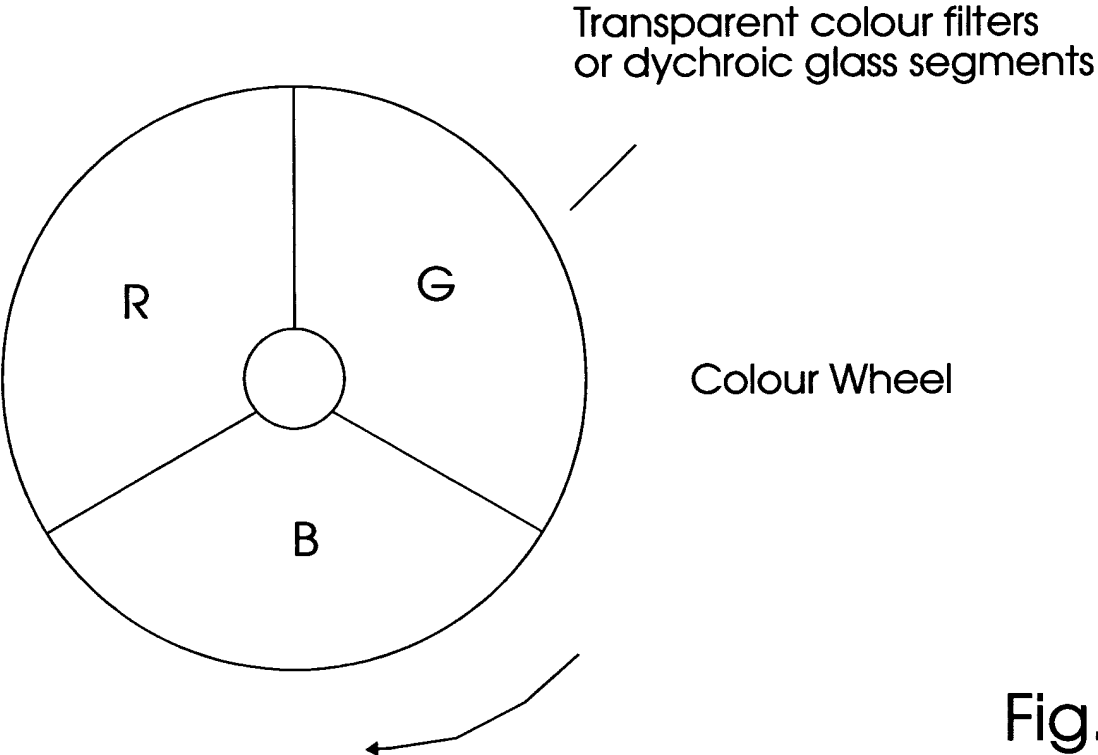


Fig. 25

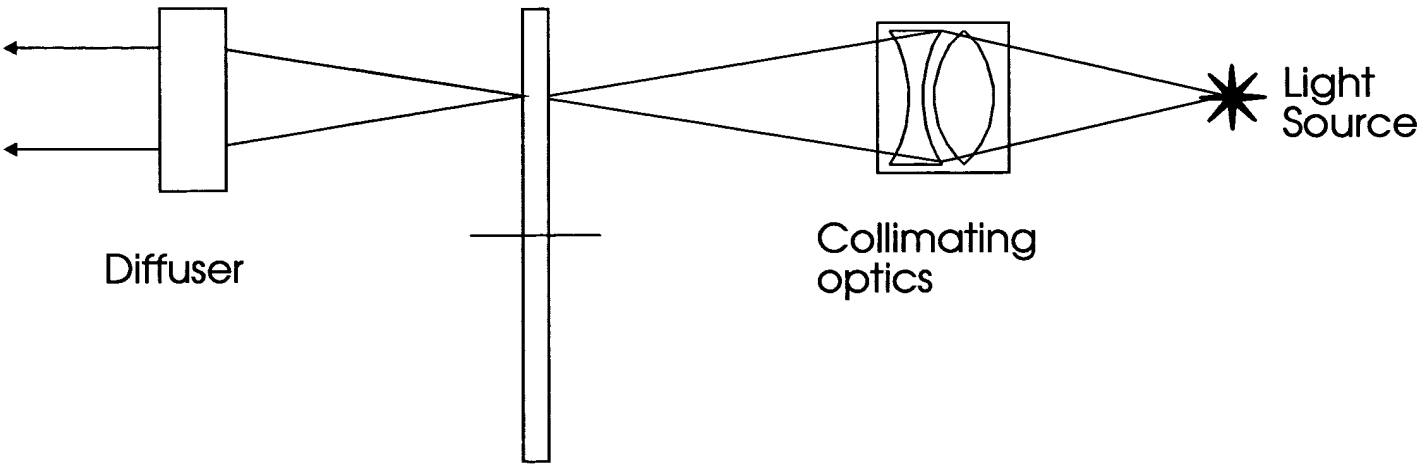


Fig. 26

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# Light sources

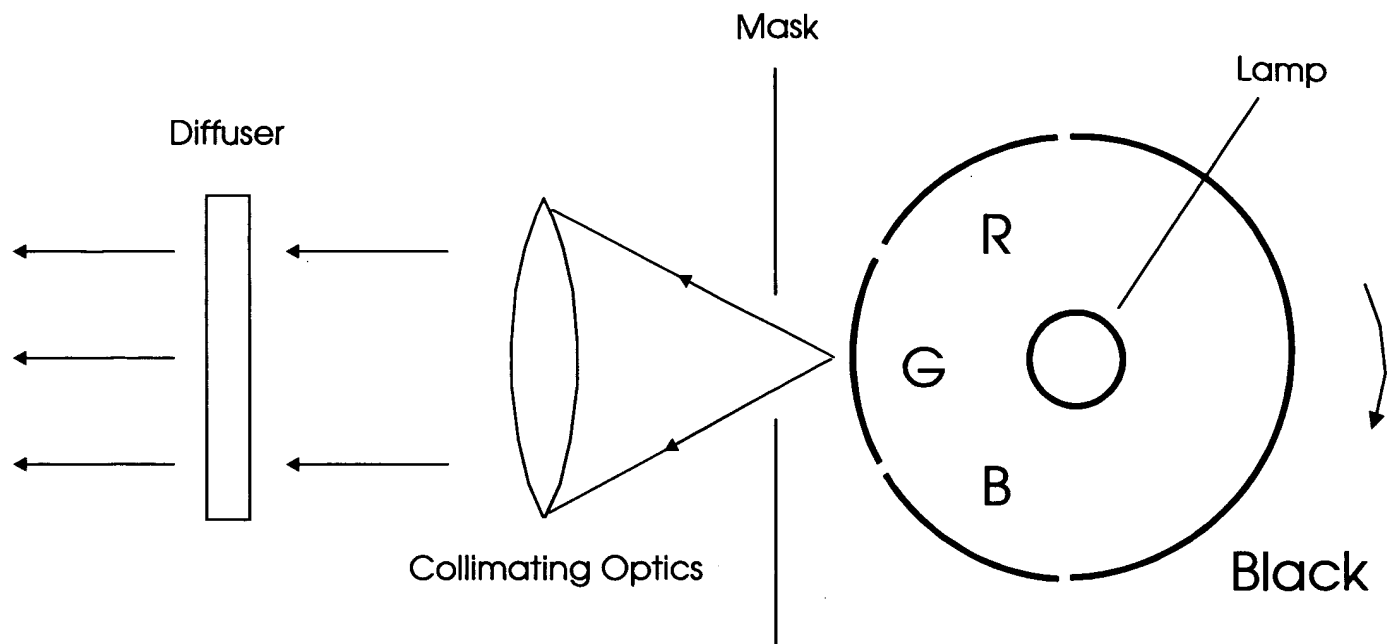


Fig. 27

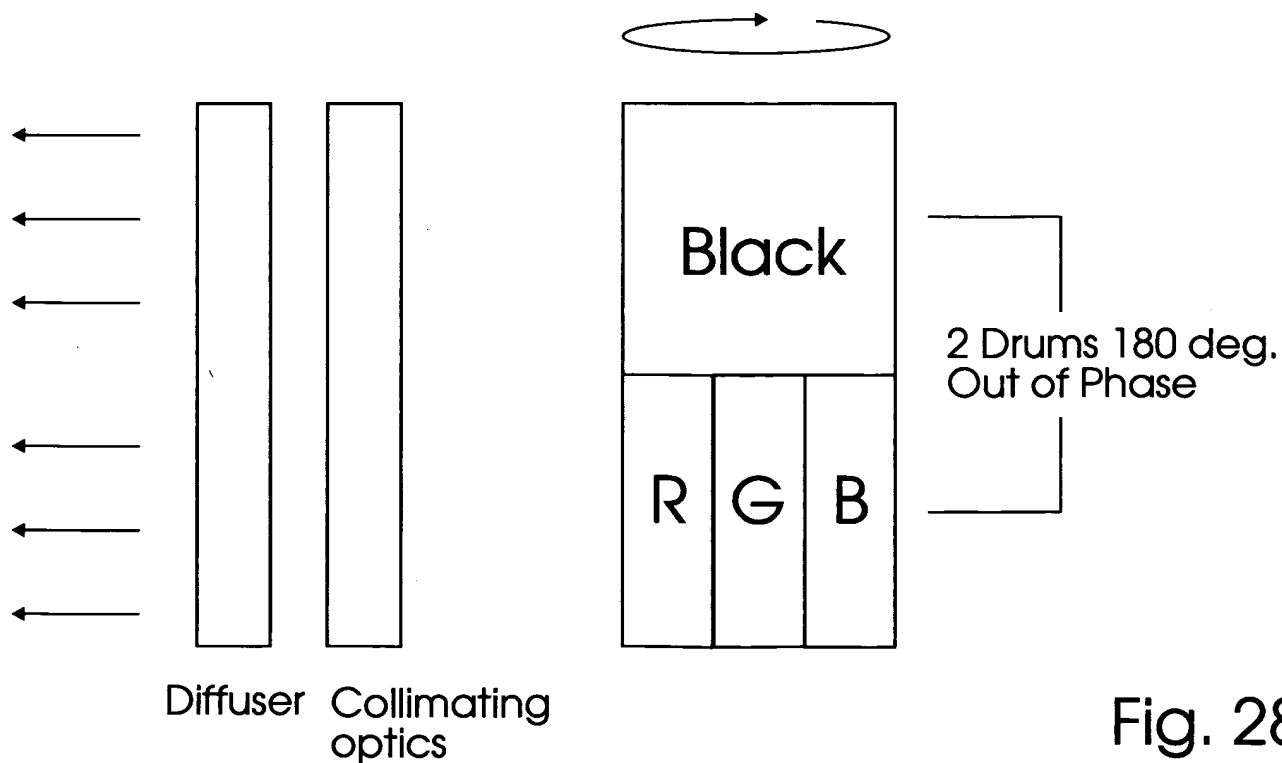
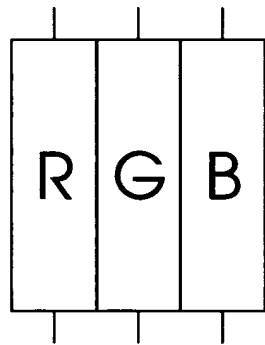


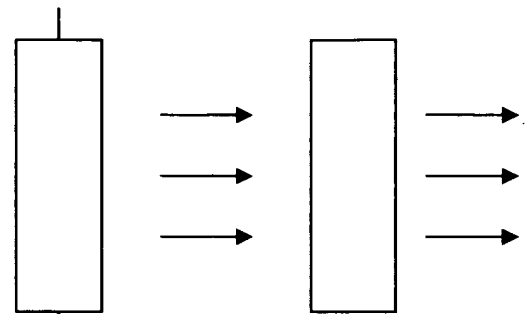
Fig. 28

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# Light sources



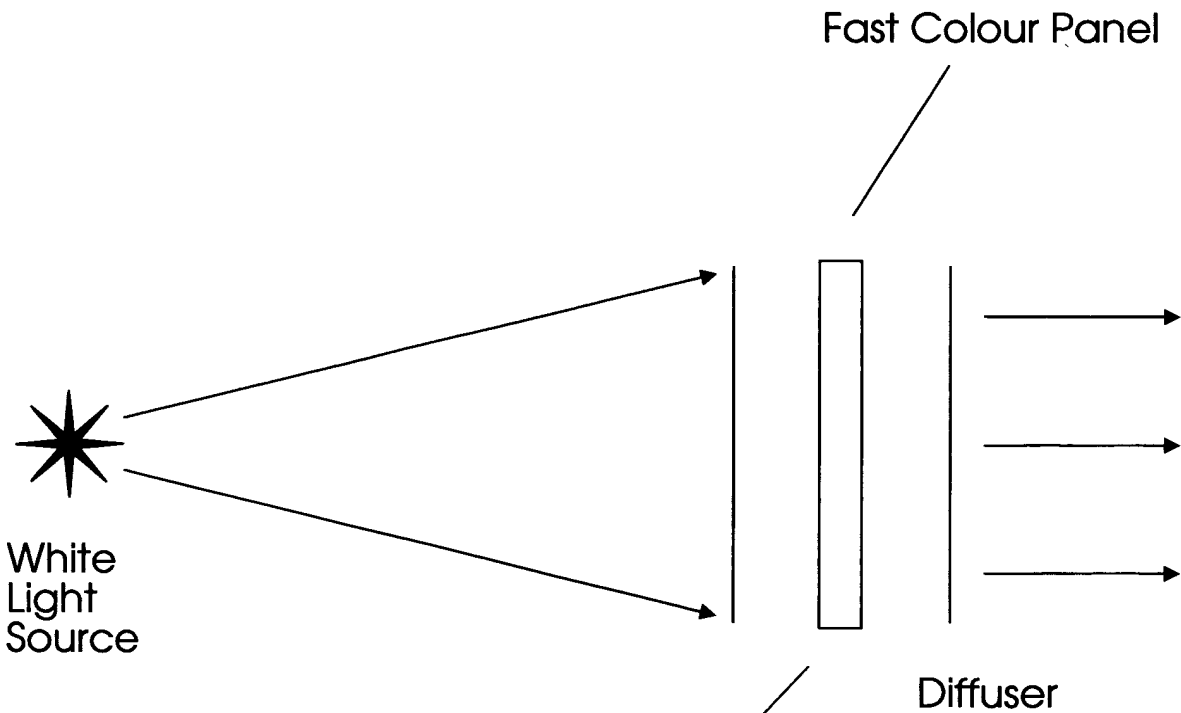
Light sources



Light sources

Diffuser

Fig. 29



White Light Source

Fast Colour Panel

Fresnel Lens

Diffuser

Fig. 30

# Light sources

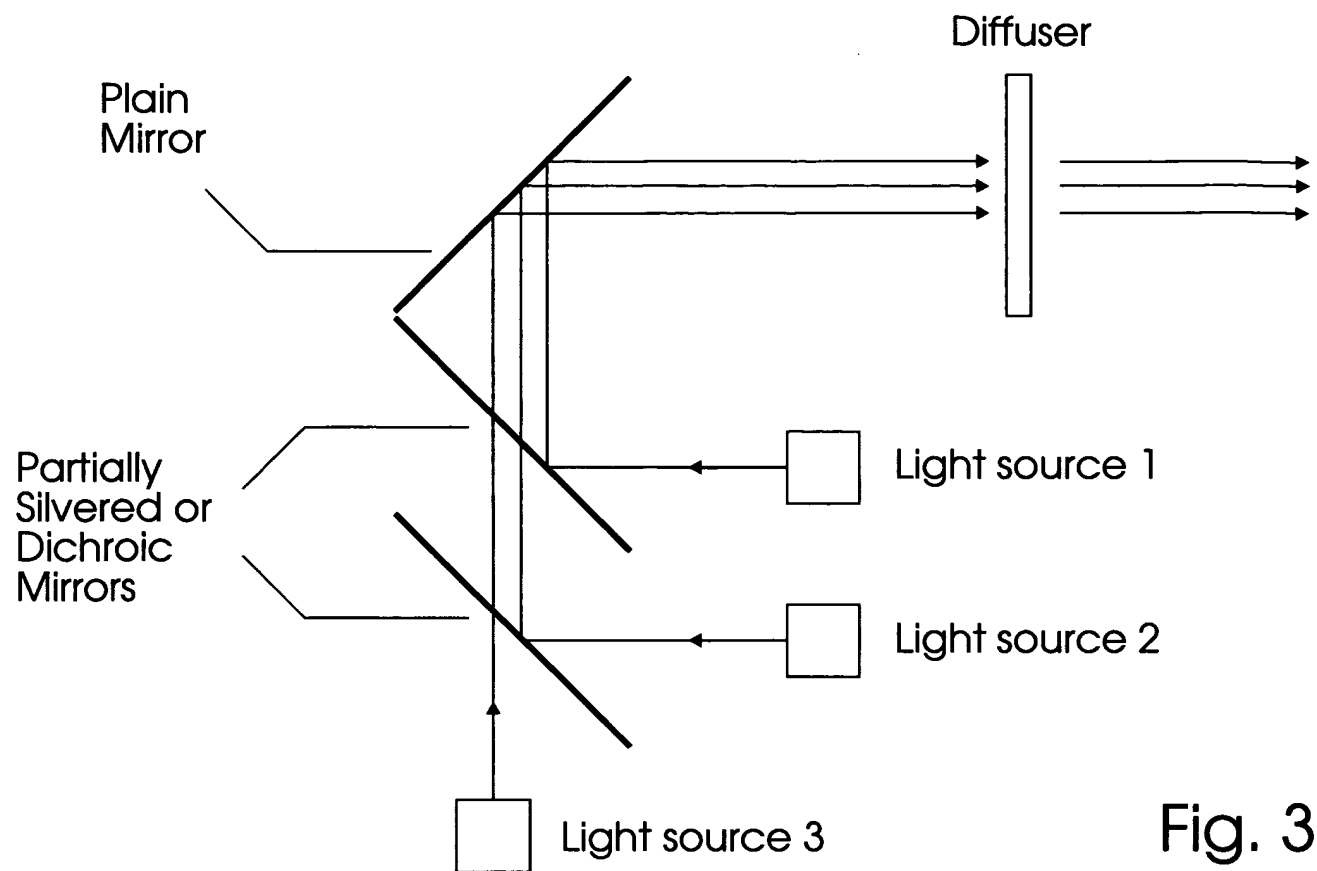


Fig. 31

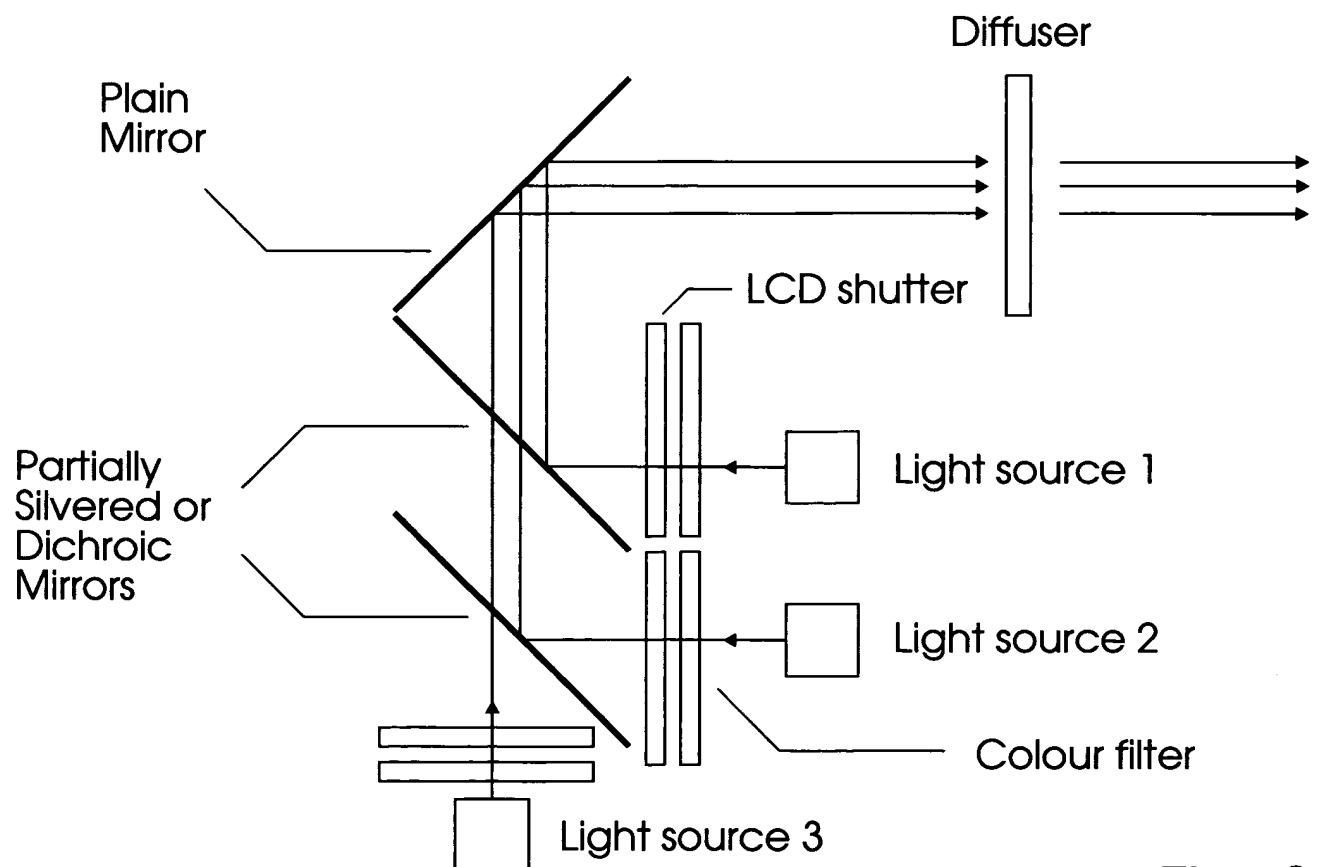


Fig. 32



# Light Sources

## LED Array-1 (Monochrome LEDs)

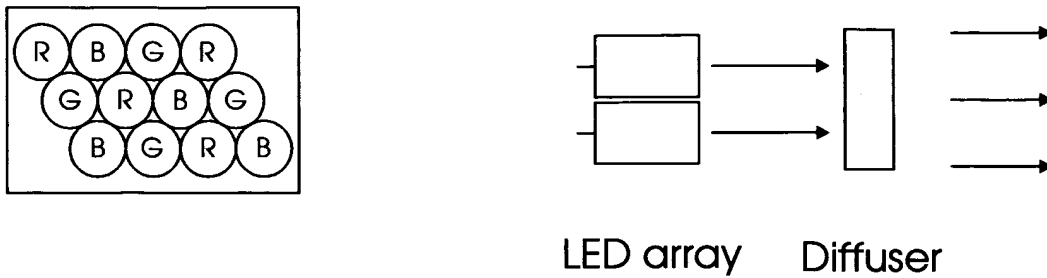


Fig. 33

## LED Array - 2 (Full Spectrum LEDs)

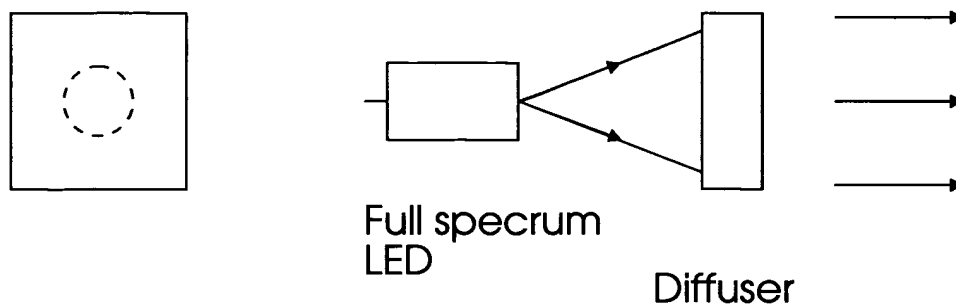


Fig. 34

# Optical enhancements

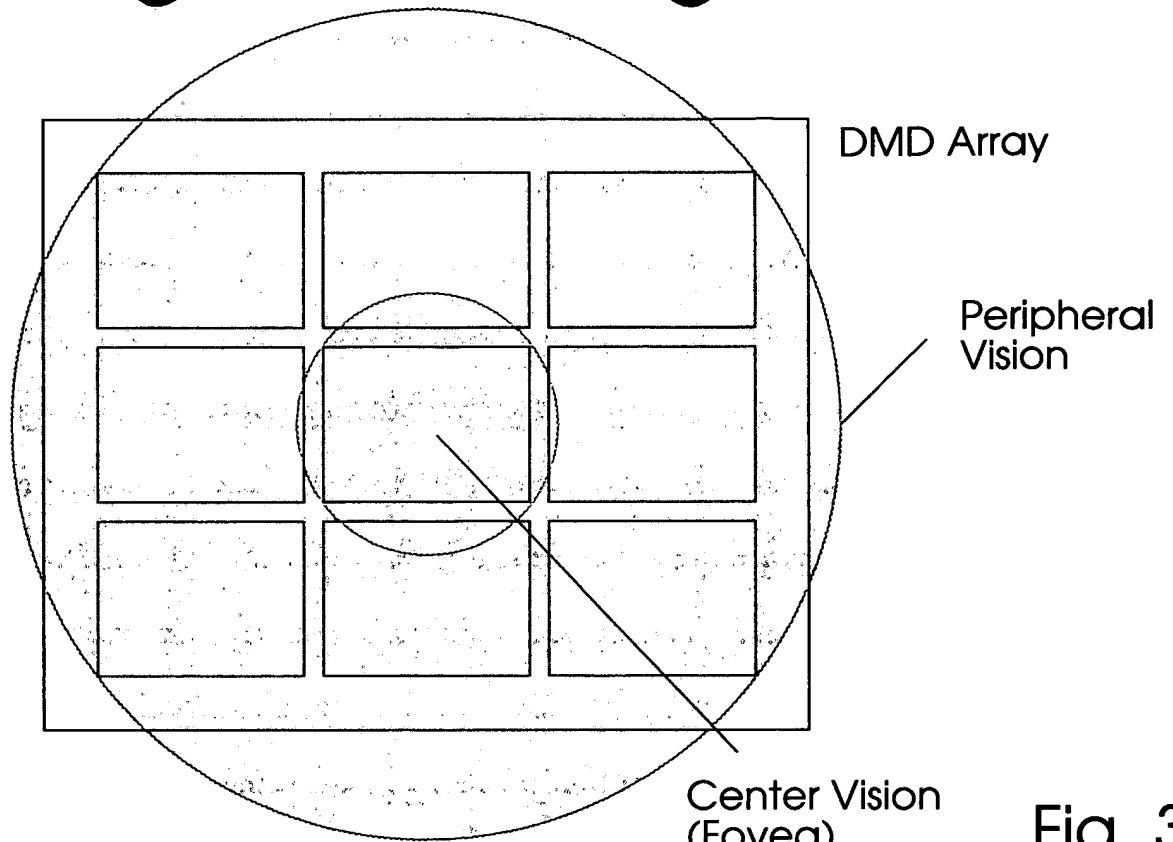


Fig. 35

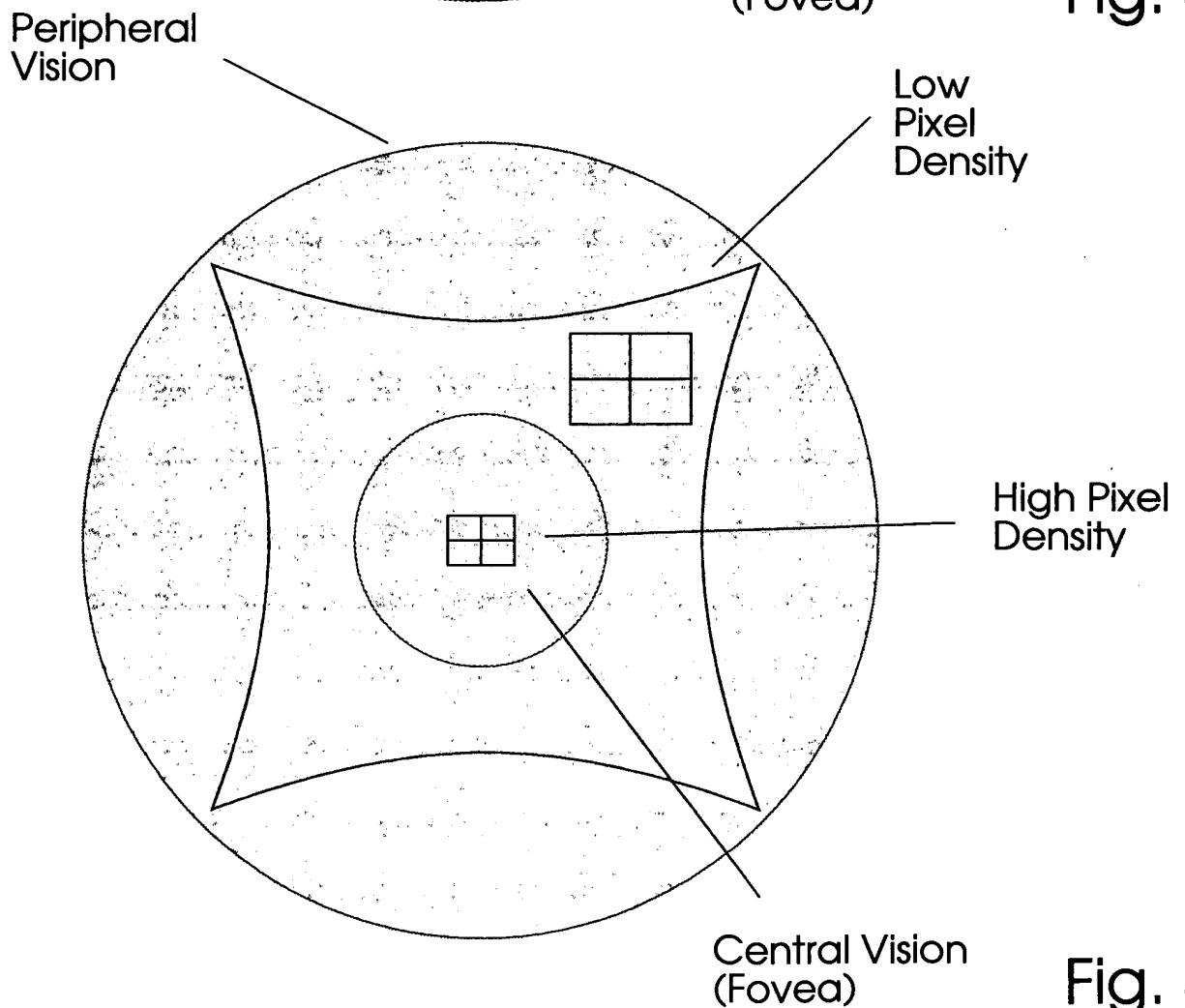


Fig. 36

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# Colour space comparison

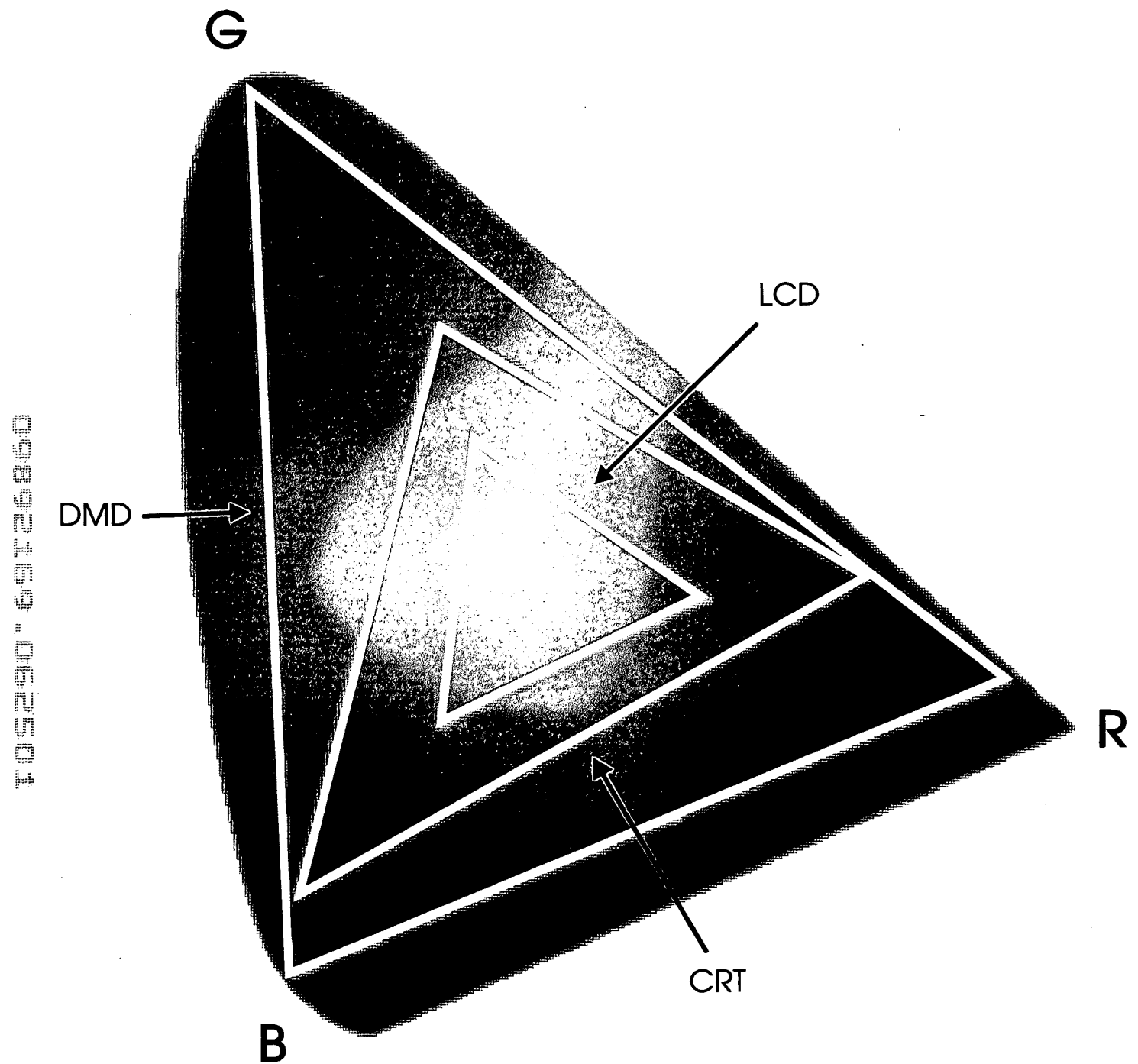


Fig. 37